

## ABSTRACT

A wound treatment apparatus is provided for treating tissue damage, which comprises a fluid impermeable wound cover sealed over a site for purposes of applying a reduced pressure to the site. The apparatus also includes a cover with protrusions on its surface for purposes of monitoring pressure at the site. An absorbable matrix may be placed in the site of a wound to encourage tissue growth into the matrix. Temperature of the site may be monitored using a layer of temperature sensitive material and temperature sensors connected to an alarm and recording device. A vacuum pump supplies suction within the wound cover over the treatment site. A portable version of the wound treatment apparatus is also provided. Finally, a method for treating wounds using reduced pressure is provided.